

AI
COWT

30. A method of identifying a modem, said method comprising:
placing a call by said modem to a remote device;
entering a physical handshaking process;
transmitting a modem manufacturer parameter by said modem to said remote device during said physical handshaking process; and
completing said physical handshaking process to establish a data communication session between said modem and said remote device.

P. 1. 126

31. The method of claim 30, wherein said modem manufacturer parameter is a DSP revision of said modem.

32. The method of claim 30, wherein said modem manufacturer parameter is a firmware revision of said modem.

33
34. The method of claim 30, wherein said modem manufacturer parameter is transmitted as part of V.8.

34
35. A method of identifying a modem, said modem being in communication with a host, said method comprising:

placing a call by said modem to a remote device;
completing a physical handshaking process to establish a data communication session between said modem and said remote device;
establishing an error correction process between said modem and said remote device, said error correction process having a primary channel, for exchanging data between said host and said remote device, and a secondary channel;
transmitting a modem manufacturer parameter by said modem to said remote device via said secondary channel.

³⁵
~~36.~~ The method of claim ~~35~~³⁷, wherein said modem manufacturer parameter is a DSP revision of said modem.

³⁶
~~37.~~ The method of claim ~~35~~³⁷, wherein said modem manufacturer parameter is a firmware revision of said modem.

³⁷
~~38.~~ The method of claim ~~35~~³⁷, wherein said error correction process is based on V.42 Recommendation.

³⁸
~~39.~~ A method of authenticating an identification process for use by a modem in communication with a remote device, said method comprising:

receiving a random code by said modem from said remote device;

scrambling said random code, in accordance with a predetermined scrambling process, to generate a scrambled code; and

sending said scrambled code to said remote device to confirm compatibility.

³⁹
~~40.~~ The method of claim ~~39~~³⁸ further comprising: transmitting a modem manufacturer parameter by said modem to said remote device after said sending.

⁴⁰
~~40.~~ The method of claim ~~40~~³⁹, wherein said transmitting occurs during a physical handshaking process.

⁴¹
~~40.~~ The method of claim ~~40~~³⁹, wherein said transmitting occurs after a physical handshaking process.

⁴²
~~41.~~ The method of claim ~~40~~³⁹, wherein said modem manufacturer parameter is a firmware revision of said modem.

⁴³
~~42.~~ The method of claim ~~40~~³⁹, wherein said modem manufacturer parameter is a DSP revision of said modem.

AI
CONT
44
43. The method of claim ³⁹40, wherein said transmitting occurs during an error correction process based on V.42 Recommendation.

45
44. A modem capable of providing identification data, said modem comprising:
a call module capable of placing a call to a remote device;
a handshaking module capable of entering a physical handshaking process with said remote device; and
a transmitter capable of transmitting a modem manufacturer parameter to said remote device during said physical handshaking process;
wherein, after said transmitter transmits said modem manufacturer parameter to said remote device, said handshaking module completes said physical handshaking process to establish a data communication session between with said remote device.

46
44. The modem of claim ⁴⁵44, wherein said modem manufacturer parameter is a DSP revision of said modem.

47
45. The modem of claim ⁴⁵44, wherein said modem manufacturer parameter is a firmware revision of said modem.

48
46. The modem of claim ⁴⁵44, wherein said modem manufacturer parameter is transmitted as part of V.8.